

# WEST Search History

DATE: Saturday, June 21, 2003

## Set Name Query

side by side

## Hit Count Set Name

result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*

L1	enzyme or lipase or esterase or protease or nitrilase or oxynitrilase or penicillin amidase or penicillin acylase or amino acylase or acylase	249888	L1
L2	precipitating agent or ammonium sulfate or ammonium sulphate or poly(ethyleneglycol) or poly ethyleneglycol or poly ethylene glycol or polyethylene glycol or butylalcohol	56222	L2
L3	precipitating agent or ammonium sulfate or ammonium sulphate or poly(ethyleneglycol) or poly ethyleneglycol or poly ethylene glycol or polyethylene glycol or butylalcohol or butyl alcohol	196842	L3
L4	diainoalkane or diamino or ethylene diamine or diamine or amine or triamine or aminoethylether or spermidin	480936	L4
L5	diainoalkane or diamino or ethylene diamine or diamine or amine or triamine or aminoethylether or amino ethylether or amino ethyl ether or spermidin	481040	L5
L6	diainoalkane or diamino or ethylene diamine or diamine or amine or triamine or aminoethylether or amino ethylether or amino ethyl ether or spermidin	481212	L6
L7	dialdehyde or glutaraldehyde or glyoxal or pentadione or hexadione	36940	L7
L8	L1 with L3	4043	L8
L9	L6 same L7	3783	L9
L10	L8 and L9	62	L10
L11	L10 and (crosslinking agent or cross linking agent or crosslinker or cross linker)	25	L11
L12	L10 and (crosslinking agent or cross linking agent or crosslinker or cross linker or crosslinked or cross linked or crosslink or cross link)	48	L12

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 25 of 25 returned.**☐ 1. Document ID: US 20030068322 A1

L11: Entry 1 of 25

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030068322

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030068322 A1

TITLE: Methods of antibody-directed enzyme-prodrug therapy

PUBLICATION-DATE: April 10, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hansen, Hans John	Little Egg Harbor	NJ	US	

US-CL-CURRENT: 424/178.1; 424/131.1, 435/7.23, 530/391.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 20030061687 A1

L11: Entry 2 of 25

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030061687

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030061687 A1

TITLE: High throughput screening of crystallization materials

PUBLICATION-DATE: April 3, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hansen, Carl L.	Pasadena	CA	US	
Quake, Stephen R.	San Marino	CA	US	
Berger, James M.	Kensington	CA	US	

US-CL-CURRENT: 23/295R; 422/245.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 20030026841 A1

L11: Entry 3 of 25

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030026841

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030026841 A1

TITLE: Compositions and methods for drug delivery using pH sensitive molecules

PUBLICATION-DATE: February 6, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Trubetskoy, Vladimir S.	Madison	WI	US	
Hagstrom, James E.	Middleton	WI	US	
Budker, Vladimir G.	Middleton	WI	US	
Wolff, Jon A.	Madison	WI	US	
Rozema, David B.	Madison	WI	US	
Monahan, Sean D.	Madison	WI	US	

US-CL-CURRENT: 424/486; 514/2, 514/44, 514/54, 514/56, 514/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20020137899 A1

L11: Entry 4 of 25

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020137899

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020137899 A1

TITLE: Carbohydrate crosslinked glycoprotein crystals

PUBLICATION-DATE: September 26, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Margolin, Alexey L.	Newton	MA	US	
Govardhan, Chandrika Poorna	Lexington	MA	US	
Visuri, Kalevi	Kantvik		FI	
Uotila, Sinikka	Espoo		FI	

US-CL-CURRENT: 530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments		KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20020077697 A1

L11: Entry 5 of 25

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020077697 A1

TITLE: Processed ratite carotid arteries as xenogeneic small bore vascular grafts

PUBLICATION-DATE: June 20, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ranieri, John Paul	Austin	TX	US	
Hern-Anderson, Diane L.	Redwood City	CA	US	
Gonin, Anne Marie J.	Austin	TX	US	
McIlroy, Brian Keith	Georgetown	TX	US	

US-CL-CURRENT: 623/1.41; 600/36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20010044412 A1

L11: Entry 6 of 25

File: PGPB

Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010044412  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010044412 A1

TITLE: Compositions and methods for drug delivery using amphiphile binding molecules

PUBLICATION-DATE: November 22, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wolff, Jon A.	Madison	WI	US	
Hagstrom, James E.	Madison	WI	US	
Monahan, Sean D.	Madison	WI	US	
Budker, Vladimir	Middleton	WI	US	
Rozema, David B.	Madison	WI	US	
Slatum, Paul M.	Madison	WI	US	

US-CL-CURRENT: 514/44; 514/58

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20010008934 A1

L11: Entry 7 of 25

File: PGPB

Jul 19, 2001

PGPUB-DOCUMENT-NUMBER: 20010008934  
PGPUB-FILING-TYPE: new-utility  
DOCUMENT-IDENTIFIER: US 20010008934 A1

TITLE: CARBOHYDRATE CROSSLINKED GLYCOPROTEIN CRYSTALS

PUBLICATION-DATE: July 19, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MARGOLIN, ALEXEY L.	NEWTON	MA	US	
GOVARDHAN, CHANDRIKA POORNA	LEXINGTON	MA	US	
VISURI, KALEVI	KANTVIK		FI	

US-CL-CURRENT: 530/395; 414/9, 424/193.1, 424/194.1, 435/174, 435/178, 435/181,  
435/39, 530/402, 530/403, 530/813, 530/815, 530/816

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 8. Document ID: US 6500933 B1

L11: Entry 8 of 25

File: USPT

Dec 31, 2002

US-PAT-NO: 6500933

DOCUMENT-IDENTIFIER: US 6500933 B1

TITLE: Methods of preparing carbohydrate crosslinked glycoprotein crystals

DATE-ISSUED: December 31, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Margolin; Alexey L.	Newton	MA		
Govardhan; Chandrika P.	Lexington	MA		
Visuri; Kalevi J.	Kirkkonummi			FI
Uotila; Sinikka S.	Espoo			FI

US-CL-CURRENT: 530/395; 424/193.1, 424/194.1, 435/174, 435/178, 435/181, 435/39,  
530/402, 530/408, 530/813, 530/815, 530/816

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 9. Document ID: US 6465227 B1

L11: Entry 9 of 25

File: USPT

Oct 15, 2002

US-PAT-NO: 6465227

DOCUMENT-IDENTIFIER: US 6465227 B1

TITLE: Spherical particles containing microorganism cells having enzyme activity

DATE-ISSUED: October 15, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reichert; Arno	Innsbruck			AT
Riethorst; Waander	Breitenbach a. Inn			AT
Knauseder; Franz	Kirchbichl			AT
Palma; Norbert	Breitenbach a. Inn			AT

US-CL-CURRENT: 435/180; 435/174, 435/177, 435/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 10. Document ID: US 6359118 B2

L11: Entry 10 of 25

File: USPT

Mar 19, 2002

US-PAT-NO: 6359118

DOCUMENT-IDENTIFIER: US 6359118 B2

TITLE: Carbohydrate crosslinked glycoprotein crystals

DATE-ISSUED: March 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Margolin; Alexey L.	Newton	MA		
Govardhan; Chandrika Poorna	Lexington	MA		
Visuri; Kalevi	Kantvik			FI
Uotila; Sinikka	Espoo			FI

US-CL-CURRENT: 530/395; 424/193.1, 424/194.1, 435/174, 435/178, 435/181, 435/39,  
530/402, 530/408, 530/813, 530/815, 530/816

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

[KIMC](#) [Draw Desc](#) [Image](#)

☐ 11. Document ID: US 6011001 A

L11: Entry 11 of 25

File: USPT

Jan 4, 2000

US-PAT-NO: 6011001

DOCUMENT-IDENTIFIER: US 6011001 A

TITLE: Method of protein therapy by orally administering crosslinked protein crystals

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 514/2; 424/94.1, 424/94.6, 424/94.63, 435/109, 435/174, 435/195,  
435/198, 435/212, 435/218, 435/41, 435/817, 436/518, 530/402, 530/413, 530/810

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

[KIMC](#) [Draw Desc](#) [Image](#)

☐ 12. Document ID: US 6004768 A

L11: Entry 12 of 25

File: USPT

Dec 21, 1999

US-PAT-NO: 6004768

DOCUMENT-IDENTIFIER: US 6004768 A

TITLE: Biosensors, extracorporeal devices and methods for detecting substances using crosslinked protein crystals

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 435/18; 424/159.1, 424/164.1, 424/178.1, 424/179.1, 424/94.1,  
424/94.6, 424/94.63, 435/109, 435/174, 435/19, 435/195, 435/198, 435/212, 435/218,  
435/23, 435/287.1, 435/287.2, 435/289.1, 435/41, 435/7.1, 435/817, 436/518, 514/2,  
530/402, 530/413, 530/810

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 13. Document ID: US 5976529 A

L11: Entry 13 of 25

File: USPT

Nov 2, 1999

US-PAT-NO: 5976529

DOCUMENT-IDENTIFIER: US 5976529 A

TITLE: Methods of enzyme therapy by orally administering crosslinked enzyme crystals

DATE-ISSUED: November 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 424/94.6; 424/94.1, 424/94.63, 435/109, 435/174, 435/195, 435/198,  
435/212, 435/218, 435/41, 435/817, 436/518, 530/402, 530/413, 530/810

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 14. Document ID: US 5849296 A

L11: Entry 14 of 25

File: USPT

Dec 15, 1998

US-PAT-NO: 5849296

DOCUMENT-IDENTIFIER: US 5849296 A

TITLE: Crosslinked protein crystals

DATE-ISSUED: December 15, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 424/178.1; 424/159.1, 424/164.1, 424/179.1, 424/94.1, 424/94.6,  
424/94.63, 435/109, 435/174, 435/195, 435/198, 435/212, 435/218, 435/41, 435/817,  
436/518, 514/2, 530/402, 530/413, 530/810

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 15. Document ID: US 5665383 A

L11: Entry 15 of 25

File: USPT

Sep 9, 1997

US-PAT-NO: 5665383

DOCUMENT-IDENTIFIER: US 5665383 A

TITLE: Methods for the preparation of immunostimulating agents for in vivo delivery

DATE-ISSUED: September 9, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grinstaff; Mark W.	Pasadena	CA		
Soon-Shiong; Patrick	Los Angeles	CA		
Wong; Michael	Champagne	IL		
Sandford; Paul A.	Los Angeles	CA		
Suslick; Kenneth S.	Champagne	IL		
Desai; Neil P.	Los Angeles	CA		

US-CL-CURRENT: 424/450; 424/451, 424/465, 424/489

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 16. Document ID: US 5665382 A

L11: Entry 16 of 25

File: USPT

Sep 9, 1997

US-PAT-NO: 5665382

DOCUMENT-IDENTIFIER: US 5665382 A

TITLE: Methods for the preparation of pharmaceutically active agents for in vivo delivery

DATE-ISSUED: September 9, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grinstaff; Mark W.	Pasadena	CA		
Soon-Shiong; Patrick	Los Angeles	CA		
Wong; Michael	Champaign	IL		
Sandford; Paul A.	Los Angeles	CA		
Suslick; Kenneth S.	Champaign	IL		
Desai; Neil P.	Los Angeles	CA		

US-CL-CURRENT: 424/450; 424/488, 424/9.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 17. Document ID: US 5650156 A

L11: Entry 17 of 25

File: USPT

Jul 22, 1997

US-PAT-NO: 5650156

DOCUMENT-IDENTIFIER: US 5650156 A

TITLE: Methods for in vivo delivery of nutraceuticals and compositions useful therefor



DATE-ISSUED: July 22, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grinstaff; Mark W.	Pasadena	CA		
Soon-Shiong; Patrick	Los Angeles	CA		
Wong; Michael	Champagne	IL		
Sandford; Paul A.	Los Angeles	CA		
Suslick; Kenneth S.	Champagne	IL		
Desai; Neil P.	Los Angeles	CA		

US-CL-CURRENT: 424/400; 424/450, 424/451, 424/56, 424/9.3, 424/9.4, 424/9.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: US 5639473 A

L11: Entry 18 of 25

File: USPT

Jun 17, 1997

US-PAT-NO: 5639473

DOCUMENT-IDENTIFIER: US 5639473 A

TITLE: Methods for the preparation of nucleic acids for in vivo delivery

DATE-ISSUED: June 17, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grinstaff; Mark W.	Pasadena	CA		
Soon-Shiong; Patrick	Los Angeles	CA		
Wong; Michael	Champaign	IL		
Sandford; Paul A.	Los Angeles	CA		
Suslick; Kenneth S.	Champaign	IL		
Desai; Neil P.	Los Angeles	CA		

US-CL-CURRENT: 424/450; 424/482, 424/486, 424/488, 424/9.51

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 19. Document ID: US 5635207 A

L11: Entry 19 of 25

File: USPT

Jun 3, 1997

US-PAT-NO: 5635207

DOCUMENT-IDENTIFIER: US 5635207 A

TITLE: Methods for the preparation of blood substitutes for in vivo delivery

DATE-ISSUED: June 3, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grinstaff; Mark W.	Pasadena	CA		
Soon-Shiong; Patrick	Los Angeles	CA		
Wong; Michael	Champaign	IL		
Sandford; Paul A.	Los Angeles	CA		
Suslick; Kenneth S.	Champaign	IL		
Desai; Neil P.	Los Angeles	CA		

US-CL-CURRENT: 424/450; 424/1.17, 424/489

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 20. Document ID: US 5618710 A

L11: Entry 20 of 25

File: USPT

Apr 8, 1997

US-PAT-NO: 5618710

DOCUMENT-IDENTIFIER: US 5618710 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Crosslinked enzyme crystals

DATE-ISSUED: April 8, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 435/174; 424/94.1, 424/94.6, 424/94.63, 435/109, 435/195, 435/198,  
435/212, 435/218, 435/41, 435/817, 436/518, 530/413, 530/810

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 21. Document ID: US 5498421 A

L11: Entry 21 of 25

File: USPT

Mar 12, 1996

US-PAT-NO: 5498421

DOCUMENT-IDENTIFIER: US 5498421 A

TITLE: Composition useful for in vivo delivery of biologics and methods employing same

DATE-ISSUED: March 12, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grinstaff; Mark W.	Pasadena	CA		
Soon-Shiong; Patrick	Los Angeles	CA		
Wong; Michael	Champaign	IL		
Sandford; Paul A.	Los Angeles	CA		
Suslick; Kenneth S.	Champaign	IL		
Desai; Neil P.	Los Angeles	CA		

US-CL-CURRENT: 424/450; 424/451, 424/455, 424/9.3, 424/9.34, 424/9.37, 424/9.4,  
424/9.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC	Draw Desc	Image
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☐ 22. Document ID: US 5187011 A

L11: Entry 22 of 25

File: USPT

Feb 16, 1993

US-PAT-NO: 5187011

DOCUMENT-IDENTIFIER: US 5187011 A

TITLE: Composition comprising encapsulated substrate with thermoplastic polymer overcoating

DATE-ISSUED: February 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manalastas; Pacifico V.	Edison	NJ		
Drake; Evelyn N.	Bernardsville	NJ		
Kresge; Edward N.	Watchung	NJ		
Thaler; Warren A.	Flemington	NJ		
McDougall; Lee A.	Houston	TX		
Newlove; John C.	Kingwood	TX		
Swarup; Vijay	Clinton	NJ		
Geiger; Albert J.	Ft. Saskatchewan			CA

US-CL-CURRENT: 428/402.24; 424/408, 427/213, 427/214, 428/334, 428/403, 428/407,  
428/500, 428/517, 504/359, 524/364, 524/547, 525/344, 71/28, 71/64.02, 71/64.11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC	Draw Desc	Image
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☐ 23. Document ID: US 5110486 A

L11: Entry 23 of 25

File: USPT

May 5, 1992

US-PAT-NO: 5110486

DOCUMENT-IDENTIFIER: US 5110486 A

TITLE: Breaker chemical encapsulated with a crosslinked elastomer coating

DATE-ISSUED: May 5, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manalastas; Pacifico V.	Edison	NJ		
Drake; Evelyn N.	Bernardsville	NJ		
Kresge; Edward N.	Watchung	NJ		
Thaler; Warren A.	Flemington	NJ		
McDougall; Lee A.	Houston	TX		
Newlove; John C.	Kingwood	TX		
Swarup; Vijay	Clinton	NJ		
Geiger; Albert J.	Fort Saskatchewan			CA

US-CL-CURRENT: 507/260, 166/308, 252/186.32, 427/213, 428/402.22, 507/221, 507/227,  
507/229, 507/231, 507/267, 507/902, 507/921, 507/922, 516/142, 516/149, 516/152,  
516/162, 524/364, 525/211

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 24. Document ID: US 4686243 A

L11: Entry 24 of 25

File: USPT

Aug 11, 1987

US-PAT-NO: 4686243

DOCUMENT-IDENTIFIER: US 4686243 A

TITLE: Copolymer, a process for its preparation and its use as enzyme supports

DATE-ISSUED: August 11, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keil; Karl-Heinz	Hanau			DE
Wullbrandt; Dieter	Hofheim am Taunus			DE
Keller; Reinhold	Bad Soden am Taunus			DE
Engelhardt; Friedrich	Frankfurt am Main			DE

US-CL-CURRENT: 521/149, 435/180, 435/181, 435/182, 521/150, 521/56, 526/258, 526/266

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 25. Document ID: US 4486549 A

L11: Entry 25 of 25

File: USPT

Dec 4, 1984

US-PAT-NO: 4486549

DOCUMENT-IDENTIFIER: US 4486549 A

TITLE: Process for preparing an amino group-containing polyacrylonitrile polymer

DATE-ISSUED: December 4, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsumoto; Kunio	Mishima			JP
Izumi; Rokuro	Tagata			JP
Seijo; Hideji	Tagata			JP
Mizuguchi; Hiroyuki	Tagata			JP

US-CL-CURRENT: 521/53, 435/180, 521/134, 521/139, 521/140

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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